

FIGURE 1

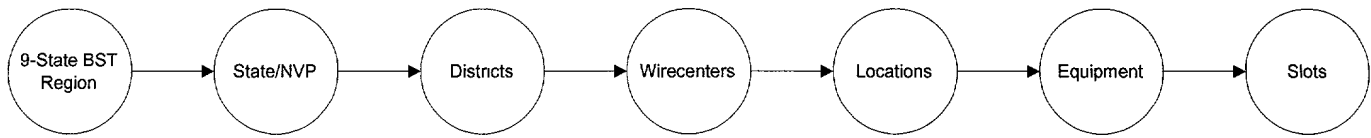


Figure 2

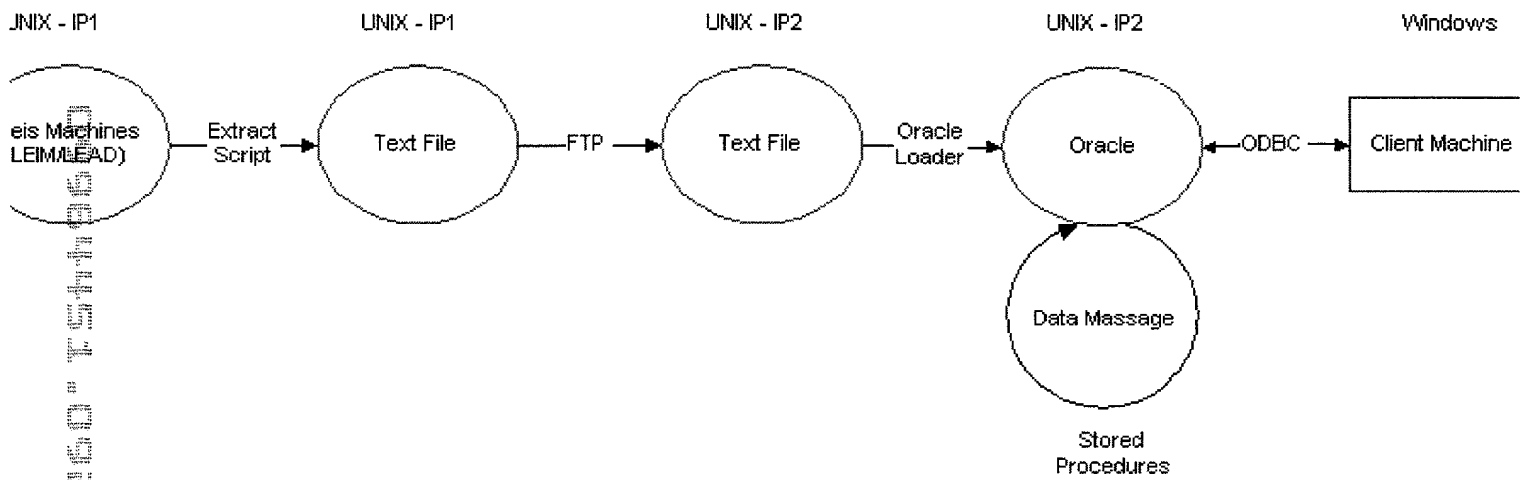


Figure 3

## CONNECTION

LEIS Fieldname	LEIS Type	LEIS Length	Description
Cable	C	10	Copper or fiber cable name (or other identifier)
Pair	Integer	4	Copper or fiber pair name
Purpose	C	5	
Type	C	1	Type of pair – either copper or fiber
Fromequip	C	20	Equipment id of the "from" equipment
Fromshelf	C	4	Character id to identify a shelf
Fromslotlo	Integer	4	Slot ID that the low pair is connected to for the "from" equipment
Fromslothi	Integer	4	Slot ID that the high pair is connected to for the "from" equipment
Toequip	C	20	Equipment ID of the "to" equipment
Toshelf	C	4	Character id to identify a shelf
Toslotlo	Integer	4	Slot ID that the low pair is connected to for the "to" equipment
Toslothi	Integer	4	Slot ID that the high pair is connected to for the "to" equipment
Length	Integer	4	Cable length in feet
Designloss	Float	4	Design loss in dB
Bandwidth	Integer	4	Bandwidth for fiber in MHz
Pule	Integer	4	Pulse dispersion in ps (picoseconds)
Wavelen	Integer	4	Wave length
Measloss	Float	4	The actual measured loss in dB for the transmission facility
Resistance	Integer	4	Resistance in Ohms
Nom1	C	20	Sheath code
Nom2	C	20	Fiber transmission code
Connid	Integer	4	Program created attribute that uniquely identifies a connection
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 4

T03250 T5449550

## EQUIPMENT

LEIS Fieldname	LEIS Type	LEIS Length	Description
Equipid	C	20	Equipment identification; must be unique for a wirecenter
Locid	C	20	An OSP location id
Category	C	5	
Bay	C	10	A relay identification where building, floor, and aisle are identified
Bayunit	Integer	4	A subdivision of a bay
Productid	C	14	An ID that includes vendor and model information
Generic	C	5	Software generic associated with piece of equipment
Account	C	4	Accounting Code
Voltage	C	5	Operating voltage required
Lobitrate	Float	4	A low bit rate value
Hibitrate	Float	4	A high bit rate value
Teo	C	10	Telephone equipment order number associated with a piece of equipment
Status	C	1	See Note 2
Instl_date	Date	0	Actual or estimated completion date for electronic equipment placement
Mode	C	4	Operating mode or equipment configuration
Remarks	C	50	Remarks about this equipment.
Filter	C	6	A fault locate filter code; SCID for SONET devices
Clei	C	10	COMMON LANGUAGE™ Equipment Identification for equipment
Ewo	C	10	Engineering Work Order. A project number, pending routine, or estimate authorization number
Equip_rte	C	9	Equipment feeder route designation
Eq_settings	C	50	A setting for a network interface
Wctrcli	N/a	10	An appended field identifying the wirecenter for each record

Figure 5

## I\_SYSCONN

LEIS Fieldname	LEIS Type	LEIS Length	Description
Connid	Integer	4	Program created attribute that uniquely identifies a connection
Sysid	C	20	FACS system type + '#' + FACS system number; used to uniquely identify each system
Wctrcli	N/a	10	An appended field identifying the wirecenter for each record

Figure 6

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**LOCATION**

LEIS Fieldname	LEIS Type	LEIS Length	Description
Locid	C	20	An OSP location id that must be unique for the wirecenter
Clli	C	11	COMMON LANGUAGE™ Location Identification (CLLI™) code
Address	C	50	A street address for the location; SAG Valid; RLA Address in FACS
Enclosure	C	20	Building, hut, minihut, maxihut, cev, community service cabinet - vendor and module could be included
Csa	C	8	Carrier serving area or feeder section number
Plat	C	8	Outside Plant Layout Record reference
Geocode	C	8	Area number or geographic location code
Taxcode	C	6	Tax code of location
Telnumber	C	10	Telephone number assigned to a given location
Power	Float	4	Powering required at a location (kilowatts)
Powerout	C	5	Type of external power outlet at a location for providing backup power (amps)
Remarks	C	50	Remarks about a location; location alarm wiring figure (AWF)
Ship_address	C	30	Address of garage, warehouse, etc. to which ordered plugs should be shipped
Ship_city_st	C	20	City, state and zip of address to which ordered plugs should be shipped
Loc_rte	C	9	The route served by a piece of equipment (or 'co' if localized to the central office)
Status	C	1	Status of the structure / enclosure
Struc_date	Date	0	Placement of structure / closure
Inven_date	Date	0	Date plugs were last inventoried
da	C	8	Distribution area number; RLA taper code
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

**Figure 7**

## LOOP

LEIS Fieldname	LEIS Type	LEIS Length	Description
Loopid	C	8	Automated ID for each Loop
Loop	C	60	LFACS CircuitID associated with the cable and pair
Term	C	50	The facility terminal name
Status	C	3	Cable and pair status
Fn_ca	C	10	Copper or fiber cable name (or other identifier)
Fn_pr	C	8	Copper or fiber pair name
Wctrcli	N/a	10	An appended field identifying the wirecenter for each record

Figure 8

## PAIR

LEIS Fieldname	LEIS Type	LEIS Length	Description
Ca	C	50	Copper or fiber cable name (or other identifier)
Pr	Integer	8	Copper or fiber pair name
Loopid	C	8	Corresponding Loopid for every cable and pair
Pe	C	3	Status of the pair
Wctrcli	N/a	10	An appended field identifying the wirecenter for each record

Figure 9

## SLOT

LEIS Fieldname	LEIS Type	LEIS Length	Description
Equipid	C	20	Equipment identification; must be unique for a wirecenter
Shelf	C	4	Character id to identify a shelf
Slot	Integer	4	A number denoting the slot in which plugs are placed; add '900' at the common slot numbers to make them unique
Card	C	10	A generic plug-in identification from the vendor
Function	C	5	Line terminal status or common plug-in function
Ewo	C	10	A project number or pending EWO number
Status	C	1	
Clei	C	10	COMMON LANGUAGE™ Equipment Identification for plug-ins
Settings	C	20	Transmission settings associated with a plug-in; required for the equip.set report for the DDM2000 and FLM-150
Resistance	Integer	4	Resistance for the plug-in, in ohms
Rate	Float	8	A value that stores the low bit rate associated with a plug-in
Max_lines	Integer	4	A line capacity associated with a plug-in
Frame_format	C	10	A value that represents framing formats associated with a plug-in (i.e. sf or esf)
Line_code	C	10	A value that represents line codes associated with a plug-in (i.e. ami or b8zs)
Error_rate	C	10	A value that represents the bi-polar error rate threshold associated with a plug-in
Super_slot	C	4	A slot that contains fictitious subslots
Wctrcli	N/a	10	An appended field identifying the wirecenter for each record

Figure 10



## SUPPORT\_PAIR

LEIS Fieldname	LEIS Type	LEIS Length	Description
Equipid	Integer	20	Equipment identification; must be unique for a wirecenter
Purpose	C	5	
Cable	C	10	Copper or fiber cable name (or other identifier)
Pair	Integer	8	Copper or fiber pair name
Ow_settings	C	19	
Ow_telnumber	C	10	
Pa_id	C	6	
Wctrcli	N/a	10	An appended field identifying the wirecenter for each record

Figure 11

## SYSTEM

LEIS Fieldname	LEIS Type	LEIS Length	Description
Sysid	C	20	FACS system type + '#' + FACS system number; used to uniquely identify each system
Origequip	C	20	Originating piece of equipment for a system
Termequip	C	20	Terminating piece of equipment for a system
Majalarm	C	60	Major alarms associated with a particular system
Minalarm	C	60	Minor alarms associated with a particular system
Clocking	C	60	System clocking - internal or external
Protection	C	60	System protection for the digital lines
Siglead	C	1	Signaling leads terminated - yes or no
Remarks	C	50	Often used to denote the LMOS system type for a particular system
Servdate	Date	0	Turn up date of a system
Integrated	C	1	Yes or no depending if the terminating piece of equipment is a remote terminal
Tirks_act	C	1	'n' = no TIRKS action; 'd' = design special circuits; 'a' = assigned by TIRKS system
Isdn	C	15	'ba' = basic access; 'pr' = primary rate; 'bb' = broadband; use if applicable
Length	Integer	4	Internally generated value calculating the total length of the spans between the originating and terminating equipment
Statebit	Integer	2	
Lastmodby	C	12	Internally generated value showing the CUID of the last person to modify the system
Criticalarms	C	60	Critical alarms associated with a particular system
Mode	C	10	Mode of system
Wctrcli	N/a	10	An appended field identifying the wirecenter for each record

Figure 12

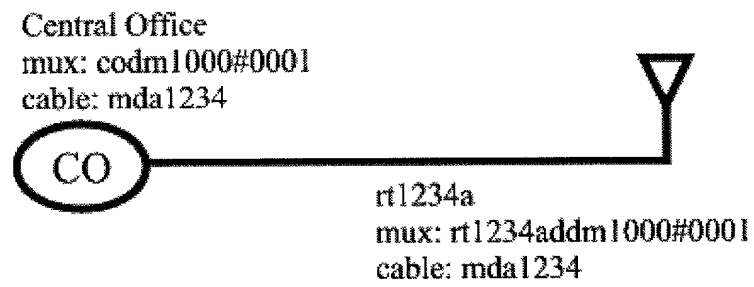


Figure 13

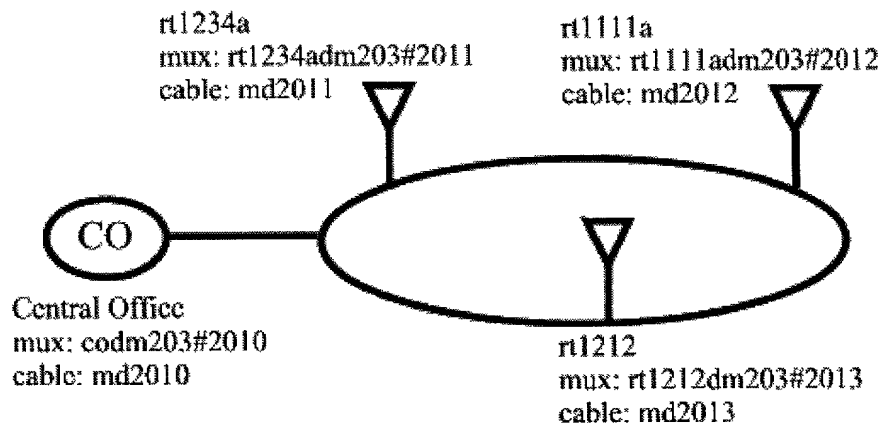


Figure 14

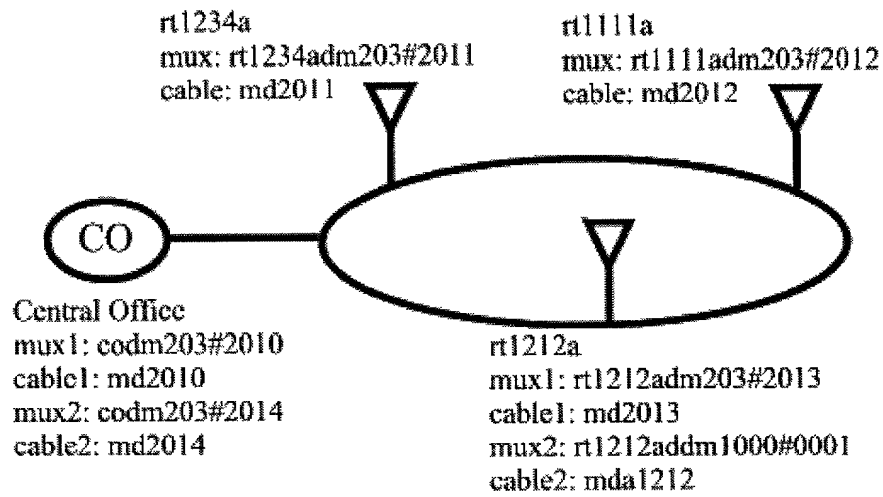


Figure 15

TOP SECRET 034450

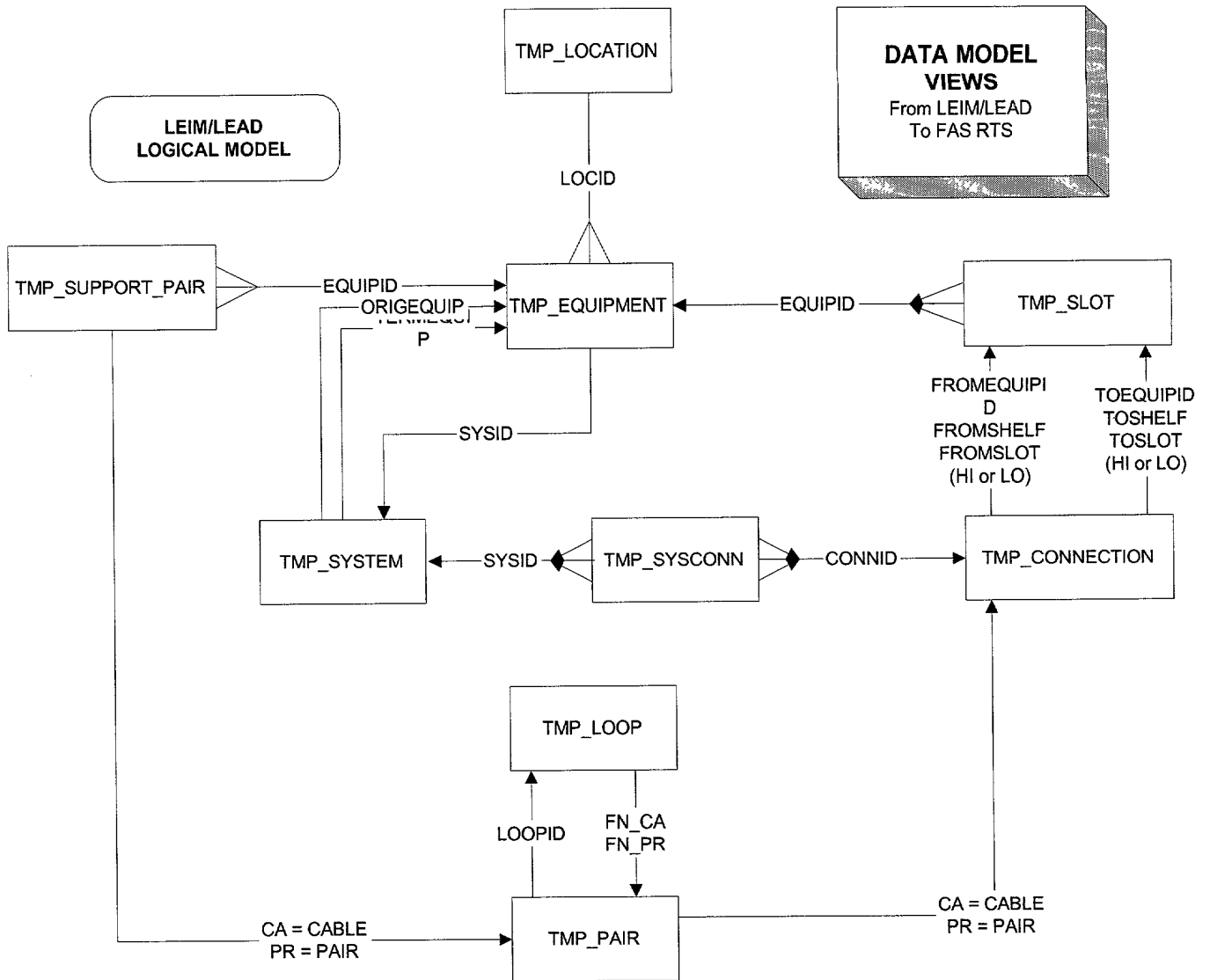


Figure 16

1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217	
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## Figure 17

T03250 "T5443650

#### Location File to TMP\_LOCATION

Data Item	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR(8)	Y	Y
LOCID		VARCHAR (20)	Y	Y
CLLI		VARCHAR (11)		
ADDRESS		VARCHAR(50)		
ENCLOSURE		VARCHAR(20)		
CSA		VARCHAR(8)		
PLAT		VARCHAR(8)		
GEOCODE		VARCHAR(8)		
TAXCODE		VARCHAR(6)		
TELNUMBER		VARCHAR(10)		
POWER		NUM(10,5)		
POWEROUT		VARCHAR(5)		
REMARKS		VARCHAR(50)		
SHIP_ADDRESS		VARCHAR(30)		
SHIP_CITY_ST		VARCHAR(20)		
LOC RTE		VARCHAR(9)		
STATUS		VARCHAR(1)		
STRUC_DATE		DATE		
INVEN_DATE		DATE		
DA		VARCHAR(8)		

## Figure 18

#### Slot File to TMP\_SLOT

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)		Y
EQUIPID		VARCHAR (20)		Y
SHELF		VARCHAR (4)		
SLOT		NUM(4)		Y
CARD		VARCHAR (10)		
FUNCTION		VARCHAR (5)		
EWO		VARCHAR (10)		
STATUS		VARCHAR(1)		
CLEI		VARCHAR (10)		
SETTINGS		VARCHAR (20)		
RESISTANCE		NUM(4)		
RATE		NUM(10,5)		
MAX_LINES		NUM(4)		
FRAME_FORMAT		VARCHAR (10)		
LINE_CODE		VARCHAR (10)		
ERROR_RATE		VARCHAR (10)		
SUPER_SLOT		VARCHAR (4)		

Index: WC\_CLLI, EQUIPID, SHELF, SLOT – SHELF may be null

## Figure 19

Firm characteristics		Performance		Growth		Innovation		Sustainability	
Variable	Unit	Variable	Unit	Variable	Unit	Variable	Unit	Variable	Unit
Age	Years	Revenue	Million USD	Revenue	Million USD	Revenue	Million USD	Revenue	Million USD
Size	Employees	Profit	Million USD	Profit	Million USD	Profit	Million USD	Profit	Million USD
Industry	Category	Market Share	Percentage	Market Share	Percentage	Market Share	Percentage	Market Share	Percentage
Location	Region	Customer Satisfaction	Score	Customer Satisfaction	Score	Customer Satisfaction	Score	Customer Satisfaction	Score
Ownership	Type	Employee Satisfaction	Score	Employee Satisfaction	Score	Employee Satisfaction	Score	Employee Satisfaction	Score
Capital Structure	Debt/Equity	Productivity	Index	Productivity	Index	Productivity	Index	Productivity	Index
Financial Ratios	Ratio	Quality of Life	Index	Quality of Life	Index	Quality of Life	Index	Quality of Life	Index
Environmental Impact	Score	Healthcare Expenditure	Percentage	Healthcare Expenditure	Percentage	Healthcare Expenditure	Percentage	Healthcare Expenditure	Percentage
Social Responsibility	Score	Unemployment Rate	Percentage	Unemployment Rate	Percentage	Unemployment Rate	Percentage	Unemployment Rate	Percentage
Corporate Governance	Score	Life Expectancy	Years	Life Expectancy	Years	Life Expectancy	Years	Life Expectancy	Years
Board Composition	Score	Gender Equality	Index	Gender Equality	Index	Gender Equality	Index	Gender Equality	Index
Executive Compensation	Score	Human Development Index	Index	Human Development Index	Index	Human Development Index	Index	Human Development Index	Index
Shareholder Activism	Score	Corruption Perception Index	Index	Corruption Perception Index	Index	Corruption Perception Index	Index	Corruption Perception Index	Index
ESG Rating	Score	Trust Index	Index	Trust Index	Index	Trust Index	Index	Trust Index	Index
Stakeholder Engagement	Score	Government Effectiveness	Index	Government Effectiveness	Index	Government Effectiveness	Index	Government Effectiveness	Index
Transparency	Score	Rule of Law	Index	Rule of Law	Index	Rule of Law	Index	Rule of Law	Index
Accountability	Score	Basic Human Rights	Index	Basic Human Rights	Index	Basic Human Rights	Index	Basic Human Rights	Index
Compliance	Score	Press Freedom	Index	Press Freedom	Index	Press Freedom	Index	Press Freedom	Index
Risk Management	Score	Internet Freedom	Index	Internet Freedom	Index	Internet Freedom	Index	Internet Freedom	Index
Security	Score	Academic Freedom	Index	Academic Freedom	Index	Academic Freedom	Index	Academic Freedom	Index
Resilience	Score	Freedom of Expression	Index	Freedom of Expression	Index	Freedom of Expression	Index	Freedom of Expression	Index
Adaptability	Score	Freedom of Assembly	Index	Freedom of Assembly	Index	Freedom of Assembly	Index	Freedom of Assembly	Index
Innovation	Score	Freedom of Movement	Index	Freedom of Movement	Index	Freedom of Movement	Index	Freedom of Movement	Index
Research & Development	Score	Freedom of Religion	Index	Freedom of Religion	Index	Freedom of Religion	Index	Freedom of Religion	Index
Patent Filings	Score	Freedom of Thought	Index	Freedom of Thought	Index	Freedom of Thought	Index	Freedom of Thought	Index
Product Development	Score	Freedom of Science	Index	Freedom of Science	Index	Freedom of Science	Index	Freedom of Science	Index
Market Penetration	Score	Freedom of Artistic Expression	Index	Freedom of Artistic Expression	Index	Freedom of Artistic Expression	Index	Freedom of Artistic Expression	Index
Customer Acquisition	Score	Freedom of Academic Expression	Index	Freedom of Academic Expression	Index	Freedom of Academic Expression	Index	Freedom of Academic Expression	Index
Brand Loyalty	Score	Freedom of Political Expression	Index	Freedom of Political Expression	Index	Freedom of Political Expression	Index	Freedom of Political Expression	Index
Market Share	Score	Freedom of Economic Expression	Index	Freedom of Economic Expression	Index	Freedom of Economic Expression	Index	Freedom of Economic Expression	Index
Competitive Advantage	Score	Freedom of Cultural Expression	Index	Freedom of Cultural Expression	Index	Freedom of Cultural Expression	Index	Freedom of Cultural Expression	Index
Strategic Alliances	Score	Freedom of Media Expression	Index	Freedom of Media Expression	Index	Freedom of Media Expression	Index	Freedom of Media Expression	Index
Partnerships	Score	Freedom of Information Expression	Index	Freedom of Information Expression	Index	Freedom of Information Expression	Index	Freedom of Information Expression	Index
Acquisitions	Score	Freedom of Data Expression	Index	Freedom of Data Expression	Index	Freedom of Data Expression	Index	Freedom of Data Expression	Index
Mergers	Score	Freedom of Digital Expression	Index	Freedom of Digital Expression	Index	Freedom of Digital Expression	Index	Freedom of Digital Expression	Index
Divestitures	Score	Freedom of Online Expression	Index	Freedom of Online Expression	Index	Freedom of Online Expression	Index	Freedom of Online Expression	Index
Spin-offs	Score	Freedom of Social Media Expression	Index	Freedom of Social Media Expression	Index	Freedom of Social Media Expression	Index	Freedom of Social Media Expression	Index
Reacquisitions	Score	Freedom of Video Expression	Index	Freedom of Video Expression	Index	Freedom of Video Expression	Index	Freedom of Video Expression	Index
Joint Ventures	Score	Freedom of Gaming Expression	Index	Freedom of Gaming Expression	Index	Freedom of Gaming Expression	Index	Freedom of Gaming Expression	Index
Strategic Partnerships	Score	Freedom of Streaming Expression	Index	Freedom of Streaming Expression	Index	Freedom of Streaming Expression	Index	Freedom of Streaming Expression	Index
Collaborations	Score	Freedom of E-commerce Expression	Index	Freedom of E-commerce Expression	Index	Freedom of E-commerce Expression	Index	Freedom of E-commerce Expression	Index
Partnerships	Score	Freedom of Mobile Expression	Index	Freedom of Mobile Expression	Index	Freedom of Mobile Expression	Index	Freedom of Mobile Expression	Index
Acquisitions	Score	Freedom of Cloud Expression	Index	Freedom of Cloud Expression	Index	Freedom of Cloud Expression	Index	Freedom of Cloud Expression	Index
Mergers	Score	Freedom of AI Expression	Index	Freedom of AI Expression	Index	Freedom of AI Expression	Index	Freedom of AI Expression	Index
Divestitures	Score	Freedom of Quantum Expression	Index	Freedom of Quantum Expression	Index	Freedom of Quantum Expression	Index		

## Figure 20



### Connection File to TMP\_CONNECTION

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
CONNID		NUM(4)	Y	Y
CABLE		VARCHAR (10)		
PAIR		NUM(4)		
PURPOSE		VARCHAR (5)		
TYPE		CHAR(1)		
FROMEQUIP		VARCHAR (20)		
FROMSHELF		VARCHAR (4)		
FROMSLOTLO		NUM(4)		
FROMSLOTHI		NUM(4)		
TOEQUIP		VARCHAR (20)		
TOSHELF		VARCHAR (4)		
TOSLOTLO		NUM(4)		
TOSLOTHI		NUM(4)		
LENGTH		NUM(4)		
DESIGNLOSS		NUM(10,5)		
BANDWIDTH		NUM(4)		
PULSE		NUM(4)		
WAVELEN		NUM(4)		
MEASLOSS		NUM(10,5)		
RESISTANCE		NUM(4)		
NOM1		VARCHAR (20)		
NOM2		VARCHAR (20)		

**Indexes:** WC\_CLLI, CABLE, PAIR Non-Unique and WC\_CLLI, CONN\_ID Non-Unique

## Figure 21

### Sysconn File to TMP\_SYSCONN

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)		Y
CONNID		NUM(4)		Y
SYSID		VARCHAR (20)		Y

**Index:** WC\_CLLI, CONNID Non-Unique

## Figure 22

## Support\_Pair File to TMP\_SUPPORT\_PAIR

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
EQUIPID		VARCHAR (20)	Y	Y
PURPOSE		VARCHAR (5)		
CABLE		VARCHAR (10)	Y	Y
PAIR		NUM(8)	Y	Y
OW_SETTINGS		VARCHAR (19)		
OW_TELNUMBER		VARCHAR (10)		
PA_ID		VARCHAR (6)		

Figure 23

## Loop File to TMP\_LOOP

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
LOOPID		VARCHAR (8)	Y	Y
LOOP		VARCHAR (60)		
TERM		VARCHAR (50)		
STATUS		VARCHAR (3)		
FN_CA		VARCHAR (10)		
FN_PR		NUM(8)		

Figure 24

## Pair File to TMP\_PAIR

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
CA		VARCHAR (50)	Y	Y
PR		NUM(8)	Y	Y
LOOPID		VARCHAR (8)		
PE		VARCHAR (3)		

Figure 25

T03250-T544350

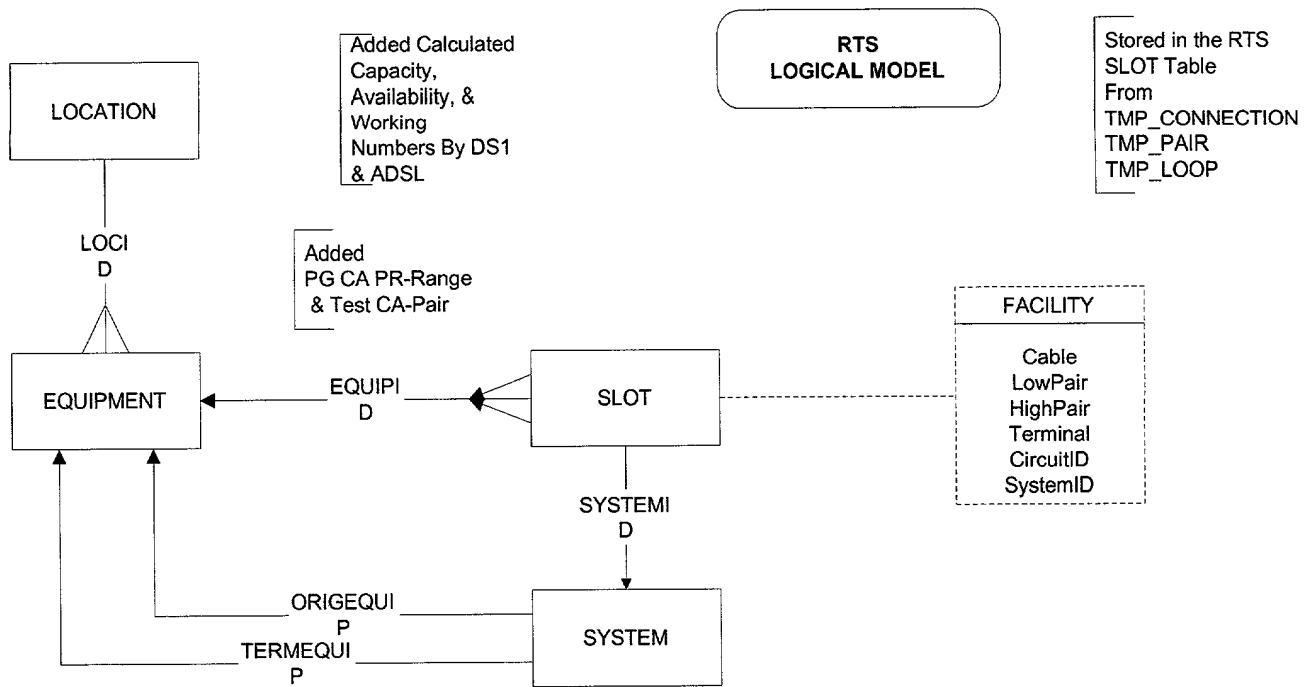


Figure 26

<b>Name</b>	: LOCATION
<b>Source</b>	: LEIM Location Table File
<b>Description</b>	: Location Site for Loop Electronic Equipment

Column	Description	Type	P	M
LOCATION_ID	Oracle sequence ID	NUM(8)	Y	Y
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR(8)		Y
LOCID	LEIM Location ID	VARCHAR (20)		Y
CLLI		VARCHAR (11)		
ADDRESS		VARCHAR(50)		
ENCLOSURE		VARCHAR(20)		
CSA		VARCHAR(8)		
PLAT		VARCHAR(8)		
GEOCODE		VARCHAR(8)		
TAXCODE		VARCHAR(3)		
TELNUMBER		VARCHAR(10)		
POWER		NUM(10,5)		
POWEROUT		VARCHAR(5)		
REMARKS		VARCHAR(50)		
SHIP_ADDRESS		VARCHAR(30)		
SHIP_CITY_ST		VARCHAR(20)		
LOC_RTE		VARCHAR(9)		
STATUS		VARCHAR(1)		
STRUC_DATE		DATE		
INVEN_DATE		DATE		
DA		VARCHAR(8)		
AVAILABLET1S		NUM(8)		
ACTIVET1S		NUM(8)		
MUXCAP		NUM(8)		
ADSLCAP		NUM(8)		
ADSLAVAIL		NUM(8)		
ADSLWKG		NUM(8)		

Reference To	Primary Key	Foreign Key

Index	Unique	Seq.	Column
LOCATION_LOCID_IDX	Y	1	WC_CLLI
		2	LOCID

Figure 27

**Name** : EQUIPMENT

**Source** : LEIM Equipment Table File

**Description** : Equipment Information for Loop Electronics

Column	Description	Type	P	M
EQUIPMENT_ID	Oracle sequence ID	NUM(8)	Y	Y
LOCATION_ID	Oracle unique ID from LOCATION table	NUM(8)		Y
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR(8)		Y
EQUIPID	LEIM Equipment ID	VARCHAR (20)		Y
LOCID	LEIM Location ID	VARCHAR (20)		Y
CATEGORY		VARCHAR (5)		
BAY		VARCHAR (10)		
BAYUNIT		NUM (8)		
PRODUCTID		VARCHAR (14)		
GENERIC		VARCHAR (5)		
ACCOUNT		VARCHAR (4)		
VOLTAGE		VARCHAR (5)		
LOBITRATE		NUM (10,5)		
HIBITRATE		NUM (10,5)		
TEO		VARCHAR (10)		
STATUS		VARCHAR (1)		
INSTL_DATE		DATE		
MODE		VARCHAR (4)		
REMARKS		VARCHAR (50)		
FILTER		VARCHAR (6)		
CLEI		VARCHAR (10)		
EWO		VARCHAR (10)		
EQUIP_RTE		VARCHAR (9)		
EQ_SETTINGS		VARCHAR (50)		
PGPAIRS		VARCHAR (20)		
TESTPAIRS		VARCHAR (15)		

Reference To	Primary Key	Foreign Key
LOCATION	LOCATION_ID	LOCATION_ID

Index	Unique	Seq.	Column
EQUIPMENT_EQUIPID_IDX	Y	1	WC_CLLI
		2	EQUIPID
EQUIPMENT_LOCID_IDX		1	WC_CLLI
		2	LOCID

Figure 28

**Name** : SLOT

**Source** : LEIM Slot Table File

**Description** : Slot Information for Loop Electronic Equipment

Column	Description	Type	P	M
SLOT_ID	Oracle sequence ID	NUM(8)	Y	Y
EQUIPMENT_ID	Oracle unique ID from EQUIPMENT table	NUM(8)		Y
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)		Y
EQUIPID	LEIM Equipment ID	VARCHAR (20)		Y
SHELF		VARCHAR (4)		
SLOT		NUM(8)		Y
CARD		VARCHAR (10)		
FUNCTION		VARCHAR (5)		
EWO		VARCHAR (10)		
STATUS		VARCHAR(1)		
CLEI		VARCHAR (10)		
SETTINGS		VARCHAR (20)		
RESISTANCE		NUM(8)		
RATE		NUM(10,5)		
MAX_LINES		NUM(8)		
FRAME_FORMAT		VARCHAR (10)		
LINE_CODE		VARCHAR (10)		
ERROR_RATE		VARCHAR (10)		
SUPER_SLOT		VARCHAR (4)		
CABLE		VARCHAR (10)		
LOWPAIR		NUM(8)		
HIGHPAIR		NUM(8)		
CIRCUITID		VARCHAR (60)		
TERMINAL		VARCHAR (50)		
T1STATUS	T1 status flag. DEFAULT to 0.	NUM(1) Default 0		Y
SYSTEMID		VARCHAR (20)		

Reference To	Primary Key	Foreign Key
EQUIPMENT	EQUIPMENT_ID	EQUIPMENT_ID

Index	Unique	Seq.	Column
SLOT_ID_IDX	Y	1	WC_CLLI
		2	EQUIPID
		3	SHELF
		4	SLOT

Figure 29

**Name** : SYSTEM

**Source** : LEIM System Table File

**Description** : System Information for Loop Electronic Equipment

Column	Description	Type	P	M
SYSTEM_ID	Oracle sequence ID	NUM(8)	Y	Y
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)		Y
SYSID	LEIM System ID	VARCHAR (20)		Y
ORIG_EQUIPMENT_ID	Oracle unique ID from EQUIPMENT table	NUM(8)		
TERM_EQUIPMENT_ID	Oracle unique ID from EQUIPMENT table	NUM(8)		
ORIGEQUIP	LEIM Equipment ID	VARCHAR (20)		
TERMEQUIP	LEIM Equipment ID	VARCHAR (20)		
MAJALARM		VARCHAR (60)		
MINALARM		VARCHAR (60)		
CLOCKING		VARCHAR (60)		
PROTECTION		VARCHAR (60)		
SIGLEAD		VARCHAR(1)		
REMARKS		VARCHAR (100)		
SERVDATE		DATE		
INTEGRATED		VARCHAR(1)		
TIRKS_ACT		VARCHAR(1)		
ISDN		VARCHAR (15)		
LENGTH		NUM(8)		
STATEBIT		NUM(8)		
LASTMODBY		VARCHAR (12)		
CRITALARMS		VARCHAR (60)		
MOD		VARCHAR (10)		

Reference To	Primary Key	Foreign Key
EQUIPMENT	EQUIPMENT_ID	ORIG_EQUIPMENT_ID
EQUIPMENT	EQUIPMENT_ID	TERM_EQUIPMENT_ID

Index	Unique	Seq.	Column
SYSTEM_SYSID_IDX	Y	1	WC_CLLI
		2	SYSID
SYSTEM_ORIG_IDX	N	1	WC_CLLI
		2	ORIGEQUIP
SYSTEM_TERM_IDX	N	1	WC_CLLI
		2	TERMEQUIP

Figure 30

<b>Name</b>	:	GRPMAP
<b>Source</b>	:	
<b>Description</b>	:	

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
STATE	RTS State Code	VARCHAR (10)		Y
DISTRICT	RTS District Code	VARCHAR (10)		Y
SUBDISTRICT		VARCHAR (10)		
LEIS_MACHINE	LEIS Machine Code for wire center	VARCHAR (10)		
NAME		VARCHAR (10)		
ENGLISH_NAME		VARCHAR (10)		

Reference To	Primary Key	Foreign Key

Index	Unique	Seq.	Column

Figure 31



Table = LOCATION

Column	Source Table	Source Column	Rules/Notes
LOCATION_ID	N/A	N/A	Oracle Sequence generated unique ID
WC_CLLI	TMP_LOCATION	WC_CLLI	
LOCID		LOCID	
CLLI		CLLI	
ADDRESS		ADDRESS	
ENCLOSURE		ENCLOSURE	
CSA		CSA	
PLAT		PLAT	
GEOCODE		GEOCODE	
TAXCODE		TAXCODE	
TELNUMBER		TELNUMBER	
POWER		POWER	
POWEROUT		POWEROUT	
REMARKS		REMARKS	
SHIP_ADDRESS		SHIP_ADDRESS	
SHIP_CITY_ST		SHIP_CITY_ST	
LOC_RTE		LOC_RTE	
STATUS		STATUS	
STRUC_DATE		STRUC_DATE	
INVEN_DATE		INVEN_DATE	
DA	↓	DA	
AVAILABLET1S			
ACTIVET1S			
MUXCAP			
ADSLCAP			
ADSLAVAIL			
ADSLWKG			

Figure 32

103250" 15443650

Table = EQUIPMENT

Column	Source Table	Source Column	Rules/Notes
EQUIPMENT_ID	N/A	N/A	Oracle Sequence generated unique ID
LOCATION_ID	LOCATION	LOCATION_ID	
WC_CLLI	TMP_EQUIPMENT	WC_CLLI	
EQUIPID		EQUIPID	
LOCID		LOCID	
CATEGORY		CATEGORY	
BAY		BAY	
BAYUNIT		BAYUNIT	
PRODUCTID		PRODUCTID	
GENERIC		GENERIC	
ACCOUNT		ACCOUNT	
VOLTAGE		VOLTAGE	
LOBITRATE		LOBITRATE	
HIBITRATE		HIBITRATE	
TEO		TEO	
STATUS		STATUS	
INSTL_DATE		INSTL_DATE	
MODE		MODE	
REMARKS		REMARKS	
FILTER		FILTER	
CLEI		CLEI	
EWO		EWO	
EQUIP_RTE		EQUIP_RTE	
EQ_SETTINGS	▼	EQ_SETTINGS	
PGPAIRS	TMP_CONNECTION		
TESTPAIRS	TMP_SUPPORT_PAIR		

Figure 33

Table = SLOT

Column	Source Table	Source Column	Rules/Notes
SLOT_ID	N/A	N/A	Oracle Sequence generated unique ID
EQUIPMENT_ID	EQUIPMENT	EQUIPMENT_ID	
WC_CLLI	TMP_SLOT	WC_CLLI	
EQUIPID		EQUIPID	
SHELF		SHELF	
SLOT		SLOT	
CARD		CARD	
FUNCTION		FUNCTION	
EWO		EWO	
STATUS		STATUS	
CLEI		CLEI	
SETTINGS		SETTINGS	
RESISTANCE		RESISTANCE	
RATE		RATE	
MAX_LINES		MAX_LINES	
FRAME_FORMAT		FRAME_FORMAT	
LINE_CODE		LINE_CODE	
ERROR_RATE		ERROR_RATE	
SUPER_SLOT	▼	SUPER_SLOT	
CABLE	TMP_CONNECTION	CABLE	
LOWPAIR	TMP_CONNECTION	PAIR	
HIGHPAIR	TMP_CONNECTION	PAIR	
CIRCUITID	TMP_LOOP	LOOP	
TERMINAL	TMP_LOOP	TERM	
T1STATUS	n/a	n/a	
SYSTEMID	EQUIPMENT	SYSID	Where EQUIPMENT.equipid = SLOT.equipid (may be null)

Figure 34

• Table = **SYSTEM**

Column	Source Table	Source Column	Rules/Notes
SYSTEM_ID	N/A	N/A	Oracle Sequence generated unique ID
WC_CLLI	TMP_SYSTEM	WC_CLLI	
SYSID	TMP_SYSTEM	SYSID	
ORIG_EQUIPMENT_ID	EQUIPMENT	EQUIPMENT_ID	Where SYSTEM.origequip = EQUIPMENT.equipid
TERM_EQUIPMENT_ID	EQUIPMENT	EQUIPMENT_ID	Where SYSTEM.termequip = EQUIPMENT.equipid
ORIGEQUIP	TMP_SYSTEM	ORIGEQUIP	
TERMEQUIP		TERMEQUIP	
MAJALARM		MAJALARM	
MINALARM		MINALARM	
CLOCKING		CLOCKING	
PROTECTION		PROTECTION	
SIGLEAD		SIGLEAD	
REMARKS		REMARKS	
SERVDATE		SERVDATE	
INTEGRATED		INTEGRATED	
TIRKS_ACT		TIRKS_ACT	
ISDN		ISDN	
LENGTH		LENGTH	
STATEBIT		STATEBIT	
LASTMODBY		LASTMODBY	
CRITALARMS		CRITALARMS	
MODE		MODE	

Figure 35

Table = **GRPMAP**

Column	Source Table	Source Column	Rules/Notes
WC_CLLI			Manually populated
STATE			
DISTRICT			
SUBDISTRICT			
LEIS_MACHINE			
NAME			
ENGLISH_NAME			

Figure 36

## Equipment View

<b>Name</b>	: V_{wctrcli}_EQUIPMENT
<b>Source</b>	: EQUIPMENT
<b>Description</b>	:

Column	Description	Type	P	M
EQUIPID		VARCHAR (20)	Y	Y
LOCID		VARCHAR (20)		
CATEGORY		VARCHAR (5)		
BAY		VARCHAR (10)		
BAYUNIT		NUM (8)		
PRODUCTID		VARCHAR (14)		
GENERIC		VARCHAR (5)		
ACCOUNT		VARCHAR (4)		
VOLTAGE		VARCHAR (5)		
LOBITRATE		NUM (10,5)		
HIBITRATE		NUM (10,5)		
TEO		VARCHAR (10)		
STATUS		VARCHAR (1)		
INSTL_DATE		DATE		
MODE		VARCHAR (4)		
REMARKS		VARCHAR (50)		
FILTER		VARCHAR (6)		
CLEI		VARCHAR (10)		
EWO		VARCHAR (10)		
EQUIP_RTE		VARCHAR (9)		
EQ_SETTINGS		VARCHAR (50)		
PGPAIRS		VARCHAR (20)		
TESTPAIRS		VARCHAR (15)		
WCTRCLI		VARCHAR (8)		

Figure 37

T02250 T544350

## 2. Location View

<b>Name</b>	: V_{wctrcli}_LOCATION
<b>Source</b>	: LOCATION
<b>Description</b>	:

Column	Description	Type	P	M
LOCID		VARCHAR (20)	Y	Y
CLLI		VARCHAR (11)		
ADDRESS		VARCHAR(50)		
ENCLOSURE		VARCHAR(20)		
CSA		VARCHAR(8)		
PLAT		VARCHAR(8)		
GEOCODE		VARCHAR(8)		
TAXCODE		VARCHAR(6)		
TELNUMBER		VARCHAR(10)		
POWER		NUM(10,5)		
POWEROUT		VARCHAR(5)		
REMARKS		VARCHAR(50)		
SHIP_ADDRESS		VARCHAR(30)		
SHIP_CITY_ST		VARCHAR(20)		
LOC_RTE		VARCHAR(9)		
STATUS		VARCHAR(1)		
STRUC_DATE		DATE		
INVEN_DATE		DATE		
DA		VARCHAR(8)		
AVAILABLET1S		NUM(8)		
ACTIVET1S		NUM(8)		
MUXCAP		NUM(8)		
ADSLCAP		NUM(8)		
ADSLAVAIL		NUM(8)		
ADSLWKG		NUM(8)		
WCTRCLLI		VARCHAR (8)		

Figure 38

### 3. Slot View

<b>Name</b>	: V_{wctrcli}_SLOT
<b>Source</b>	: SLOT
<b>Description</b>	:

Column	Description	Type	P	M
EQUIPID		VARCHAR (20)	Y	Y
SHELF		VARCHAR (4)		
SLOT		NUM(8)		
CARD		VARCHAR (10)		
FUNCTION		VARCHAR (5)		
EWO		VARCHAR (10)		
STATUS		VARCHAR(1)		
CLEI		VARCHAR (10)		
SETTINGS		VARCHAR (20)		
RESISTANCE		NUM(8)		
RATE		NUM(10,5)		
MAX_LINES		NUM(8)		
FRAME_FORMAT		VARCHAR (10)		
LINE_CODE		VARCHAR (10)		
ERROR_RATE		VARCHAR (10)		
SUPER_SLOT		VARCHAR (4)		
CABLE		VARCHAR (10)		
LOWPAIR		NUM(8)		
HIGHPAIR		NUM(8)		
CIRCUITID		VARCHAR (60)		
TERMINAL		VARCHAR (50)		
T1STATUS		NUMBER (1) Default 0		
SYSTEMID		VARCHAR (20)		
WCTRCLLI		VARCHAR (8)		

Figure 39

#### 4. System View

<b>Name</b>	:	V_{wctrcli}_SYSTEM
<b>Source</b>	:	SYSTEM
<b>Description</b>	:	

Column	Description	Type	P	M
SYSID		VARCHAR (20)	Y	Y
ORIGEEQUIP		VARCHAR (20)		
TERMEQUIP		VARCHAR (20)		
MAJALARM		VARCHAR (60)		
MINALARM		VARCHAR (60)		
CLOCKING		VARCHAR (60)		
PROTECTION		VARCHAR (60)		
SIGLEAD		VARCHAR(1)		
REMARKS		VARCHAR (100)		
SERVDATE		DATE		
INTEGRATED		VARCHAR(1)		
TIRKS_ACT		VARCHAR(1)		
ISDN		VARCHAR (15)		
LENGTH		NUM(8)		
STATEBIT		NUM(8)		
LASTMODBY		VARCHAR (12)		
CRITALARMS		VARCHAR (60)		
MODE		VARCHAR (10)		
WCTRCLI		VARCHAR (8)		

Figure 40



Table 1. Demographic characteristics of the study population	
Characteristic	Frequency (%)
Age (years)	
< 18	10 (10.0)
18-24	25 (25.0)
25-34	30 (30.0)
35-44	20 (20.0)
45-54	15 (15.0)
55-64	10 (10.0)
65-74	5 (5.0)
≥ 75	5 (5.0)
Gender	
Male	45 (45.0)
Female	45 (45.0)
Ethnicity	
White	30 (30.0)
Black	15 (15.0)
Hispanic	10 (10.0)
Asian	5 (5.0)
Other	5 (5.0)
Marital status	
Married	30 (30.0)
Single	15 (15.0)
Divorced	10 (10.0)
Widowed	5 (5.0)
Never married	5 (5.0)
Education level	
High school or less	15 (15.0)
Some college	10 (10.0)
Bachelor's degree	10 (10.0)
Master's degree	5 (5.0)
Doctorate	5 (5.0)
Income (USD/year)	
< 10,000	10 (10.0)
10,000-19,999	15 (15.0)
20,000-29,999	10 (10.0)
30,000-39,999	10 (10.0)
40,000-49,999	10 (10.0)
50,000-59,999	5 (5.0)
60,000-69,999	5 (5.0)
70,000-79,999	5 (5.0)
80,000-89,999	5 (5.0)
90,000-99,999	5 (5.0)
≥ 100,000	5 (5.0)

Column	Description	Type	P	M
STATE		VARCHAR (10)	Y	Y
DISTRICT		VARCHAR (10)	Y	Y

## Figure 41

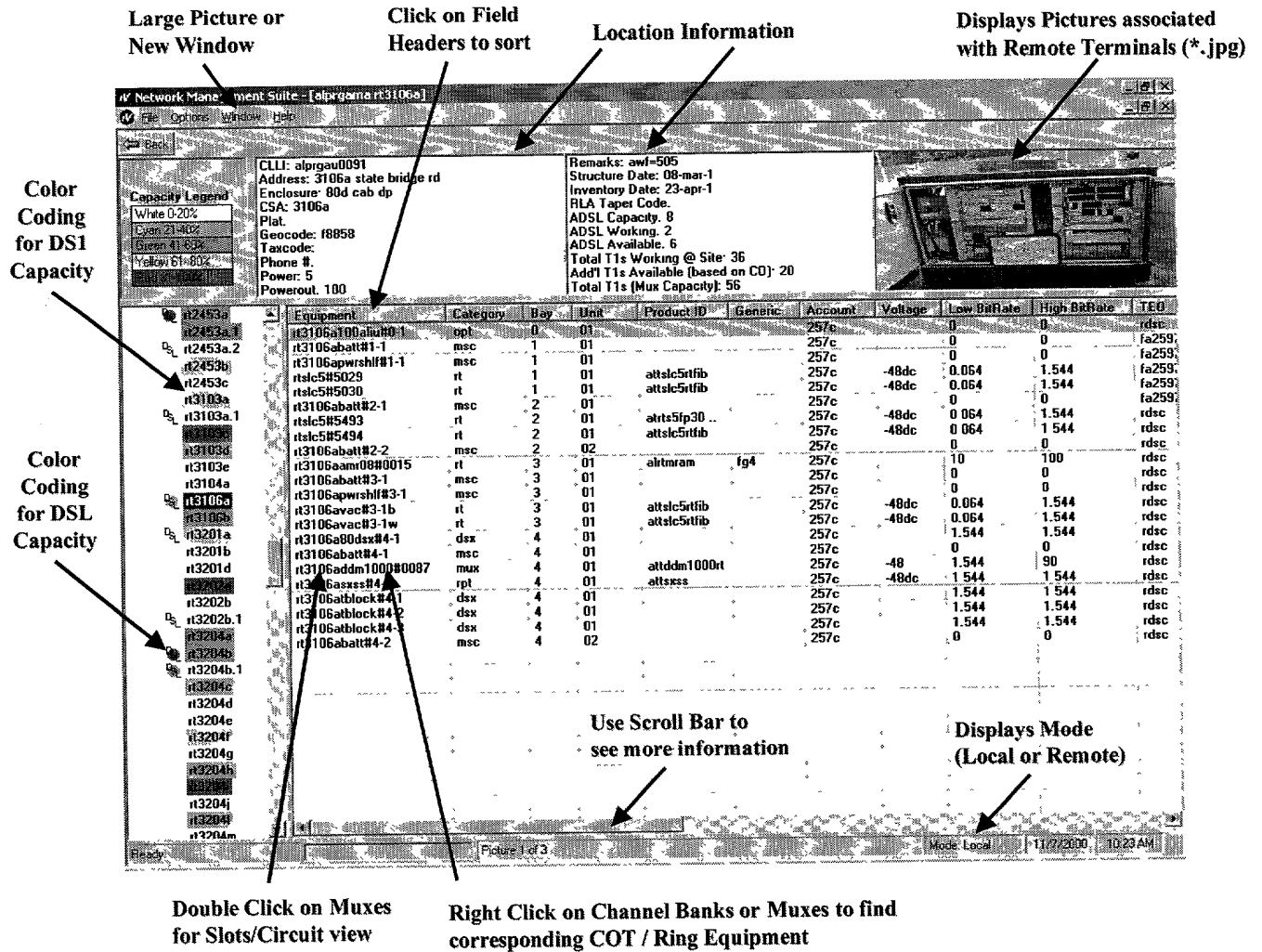


Figure 42

T02260 T544560

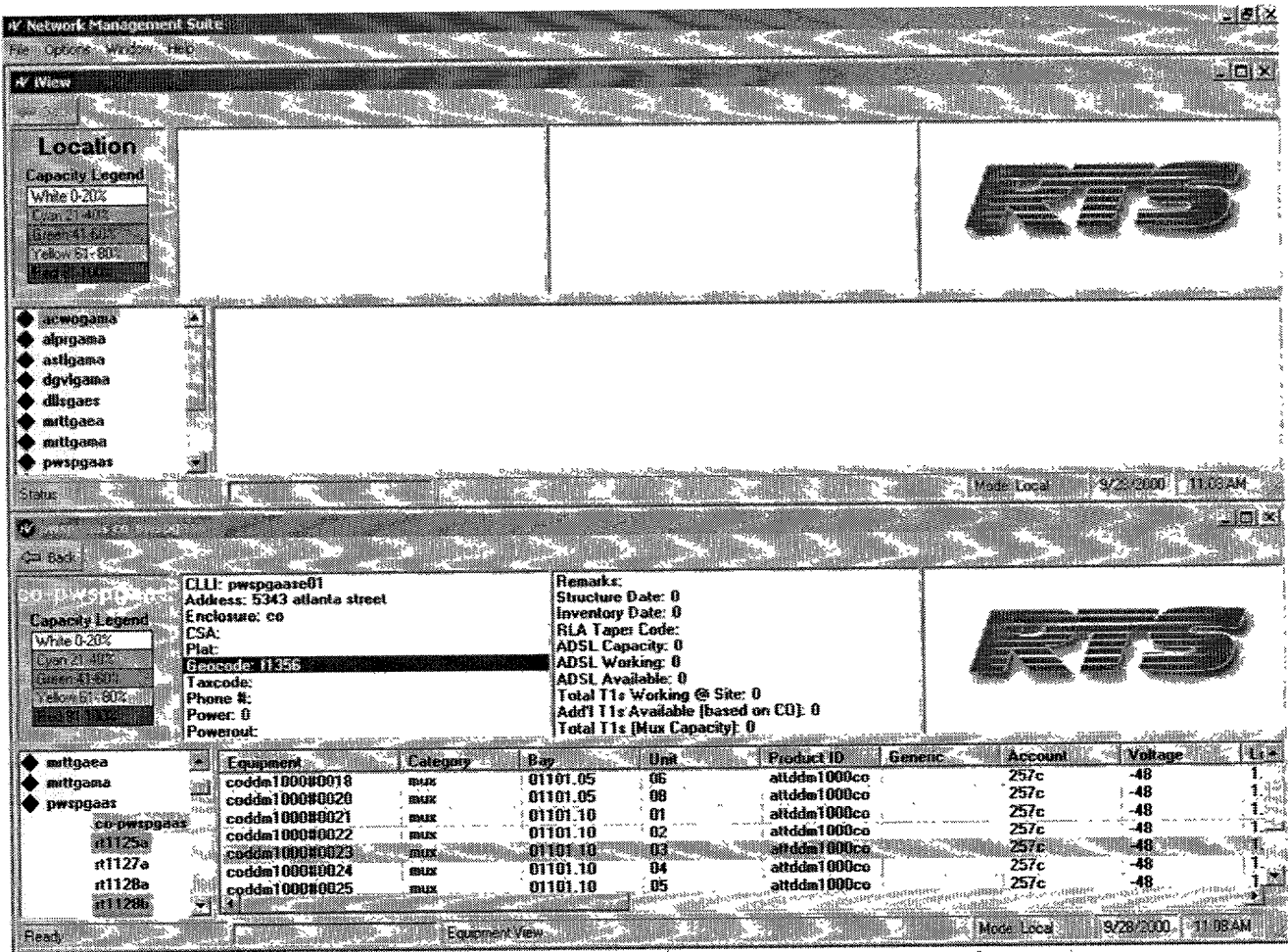


Figure 43

Equipment	Category	Bay	Unit	Product ID	Generic	Account	Voltage	Low B
rt6317a.1tblock#1_3	dsx	4	01			257c		0
rt6317a.1tblock#2_4	dsx	4	01			257c		0
rt6317a.1mu#56	msc	0	01	hadmurt	3.0	257c		0
rt6317a.1batt#1-1	msc	1	01			257c		0
rt6317a.2pwrshlf#1-1	msc	2	01			257c		0
rt6317a.1batt#2-1	msc	2	02			257c		0
rt6317a.1batt#2-2	msc	3	01			257c		0
rt6317a.1batt#3-1	msc	3	01			257c		0
rt6317a.2pwrshlf#3-1	msc	4	01			257c		0
rt6317a.1batt#4-1	msc	4	02			257c		0
rt6317a.1batt#4-2	msc	4	02			257c		0
rt6317a.1ddm1000#003	max	4	01	atddm1000n		257c	-48	1.544
rt6317a.1100alu#0-1	opt	0	01			257c		0
rt6317a.1vacext#4-1	rpt	4	01	attaxss		257c	-48dc	1.544
rtalc5#5030	rt	1	01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5031	rt	1	01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5032	rt	2	01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5033	rt	2	01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5036	rt	3	01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5037	rt	3	01	attalc5rtfb		257c	-48dc	0.064

Figure 44A

Equipment	Category	Bay	Unit	Product ID	Generic	Account	Voltage	Low B
rt6317a.1tblock#1_3	dsx		01			257c		0
rt6317a.1tblock#2_4	dsx		01			257c		0
rt6317a.1mu#56	msc		01	hadmurt	3.0	257c		0
rt6317a.1batt#1-1	msc		01			257c		0
rt6317a.2pwrshlf#1-1	msc		01			257c		0
rt6317a.1batt#2-1	msc		02			257c		0
rt6317a.1batt#2-2	msc		01			257c		0
rt6317a.1batt#3-1	msc		01			257c		0
rt6317a.2pwrshlf#3-1	msc		01			257c		0
rt6317a.1batt#4-1	msc		01			257c		0
rt6317a.1batt#4-2	msc		02			257c		0
rt6317a.1ddm1000#003	max		01	atddm1000n		257c	-48	1.544
rt6317a.1100alu#0-1	opt		01			257c		0
rt6317a.1vacext#4-1	rpt		01	attaxss		257c	-48dc	1.544
rtalc5#5030	rt		01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5031	rt		01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5032	rt		01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5033	rt		01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5036	rt		01	attalc5rtfb		257c	-48dc	0.064
rtalc5#5037	rt		01	attalc5rtfb		257c	-48dc	0.064

Figure 44B

00364454 02301  
T03250 T5479550

Equipment	Port	Card	Function	Cable	Low	High	CircuitID	SystemID	Term	EWO
rt6317a1ddm1000#0003	a-1	aek36c	ds1		0	0				18617
rt6317a1ddm1000#0003	a-2	aek36c	ds1		0	0				18617
rt6317a1ddm1000#0003	a-3	aek36c	ds1		0	0				18617
rt6317a1ddm1000#0003	a-4	aek36c	ds1		0	0				18617
rt6317a1ddm1000#0003	a-5	aek36c	ds1		0	0				18617
rt6317a1ddm1000#0003	a-6	aek36c	ds1		0	0				18617
rt6317a1ddm1000#0003	a-7	aek36c	ds1		0	0				18617
rt6317a1ddm1000#0003	a-8	aek36c	ds1p		0	0				18617
rt6317a1ddm1000#0003	a-9	aek39	ds1p		0	0				18617
rt6317a1ddm1000#0003	a-11	active	ds1p	mda6317	1	2	ckt dlc.pg10.9030.1	isl5#5030		18617
rt6317a1ddm1000#0003	a-12	active	ds1p	mda6317	3	4	ckt dlc.pg10.9030.2	isl5#5030		18617
rt6317a1ddm1000#0003	a-13	active	ds1p	mda6317	5	6	ckt dlc.pg10.9030.3	isl5#5030		18617
rt6317a1ddm1000#0003	a-14	active	ds1p	mda6317	7	8	ckt dlc.pg10.9030.4	isl5#5030		18617
rt6317a1ddm1000#0003	a-21	active	ds1p	mda6317	9	10	ckt dlc.pg10.9031.1	isl5#5031		18617
rt6317a1ddm1000#0003	a-22	active	ds1p	mda6317	11	12	ckt dlc.pg10.9031.2	isl5#5031		18617
rt6317a1ddm1000#0003	a-23	active	ds1p	mda6317	13	14	ckt dlc.pg10.9031.3	isl5#5031		18617
rt6317a1ddm1000#0003	a-24	active	ds1p	mda6317	15	16	ckt dlc.pg10.9031.4	isl5#5031		18617
rt6317a1ddm1000#0003	a-31	active	ds1p	mda6317	17	18	ckt dlc.pg10.9032.1	isl5#5032		18617
rt6317a1ddm1000#0003	a-32	active	ds1p	mda6317	19	20	ckt dlc.pg10.9032.2	isl5#5032		18617
rt6317a1ddm1000#0003	a-33	active	ds1p	mda6317	21	22	ckt dlc.pg10.9032.3	isl5#5032		18617
rt6317a1ddm1000#0003	a-34	active	ds1p	mda6317	23	24	ckt dlc.pg10.9032.4	isl5#5032		18617
rt6317a1ddm1000#0003	a-41	active	ds1p	mda6317	25	26	ckt dlc.pg10.9033.1	isl5#5033		18617
rt6317a1ddm1000#0003	a-42	active	ds1p	mda6317	27	28	ckt dlc.pg10.9033.2	isl5#5033		18617
rt6317a1ddm1000#0003	a-43	active	ds1p	mda6317	29	30	ckt dlc.pg10.9033.3	isl5#5033		18617
rt6317a1ddm1000#0003	a-44	active	ds1p	mda6317	31	32	ckt dlc.pg10.9033.4	isl5#5033		18617
rt6317a1ddm1000#0003	a-51	active	ds1p	mda6317	33	34	ckt dlc.pg10.9036.1	96a5#5036		18617
rt6317a1ddm1000#0003	a-52	active	ds1p	mda6317	35	36	ckt dlc.pg10.9036.2	96a5#5036		18617
rt6317a1ddm1000#0003	a-53	active	ds1p	mda6317	37	38	ckt dlc.pg10.9036.3	96a5#5036		18617
rt6317a1ddm1000#0003	a-54	active	ds1p	mda6317	39	40	ckt dlc.pg10.9036.4	96a5#5036		18617
rt6317a1ddm1000#0003	a-61	active	ds1p	mda6317	41	42	ckt dlc.pg10.5037.1	isl5#5037		18617
rt6317a1ddm1000#0003	a-62	active	ds1p	mda6317	43	44	ckt dlc.pg10.5037.2	isl5#5037		18617
rt6317a1ddm1000#0003	a-63	active	ds1p	mda6317	45	46	ckt dlc.pg10.5037.3	isl5#5037		18617
rt6317a1ddm1000#0003	a-64	active	ds1p	mda6317	47	48	ckt dlc.pg10.5037.4	isl5#5037		18617
rt6317a1ddm1000#0003	a-71	active	ds1p	mda6317	49	50	39 hcm 653270			18617

### Figure 45

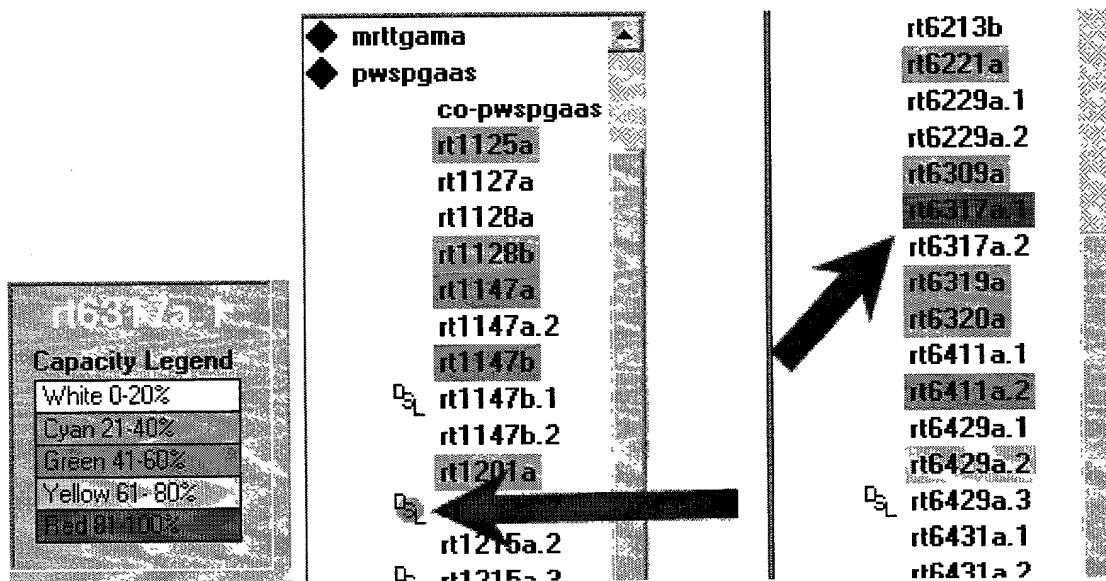


Figure 46

Phone #: 0

Power: 0

Powerout:

Total T1s Working @ Site: 0

Add'l T1s Available (based on CO): 0

Total T1s (Mux Capacity): 0

Equipment	Category	Bay	Unit	Product ID	Generic	Account	Voltage
coddm1000#0018	mux	01101.05	06	attdm1000co		257c	-48
coddm1000#0020	mux	01101.05	08	attdm1000co		257c	-48
coddm1000#0021	mux	01101.10	01	attdm1000co		257c	-48
coddm1000#0022	mux	01101.10	02	attdm1000co		257c	-48
coddm1000#0023	mux	01101.10	03	attdm1000co		257c	-48
coddm1000#0024	mux	01101.10	04	attdm1000co		257c	-48
coddm1000#0025	mux	01101.10	05	attdm1000co		257c	-48
coddm1000#0026	mux	01101.10	06	attdm1000co		257c	-48
coddm1000#0027	mux	01101.10	07	attdm1000co		257c	-48
coddm1000#0028	mux	01101.10	08	attdm1000co		257c	-48
coddm1000#0029	mux	01101.11	01	attdm1000co		257c	-48
coddm1000#0030	mux	01101.11	02	attdm1000co		257c	-48
coddm1000#0031	mux	01101.11	03	attdm1000co		257c	-48
coddm1000#0032	mux	01101.11	04	attdm1000co		257c	-48

Figure 47

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## Processing Flow for Tirks Processing Conceptual Design

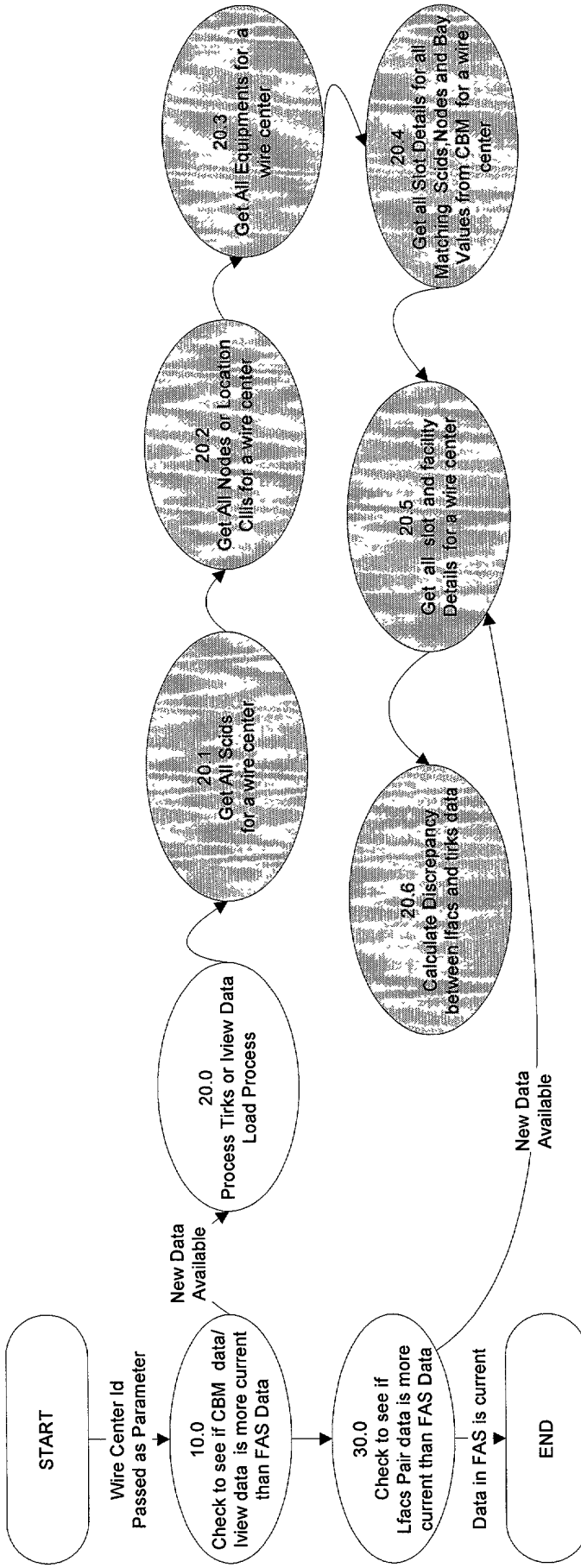


FIGURE 48